

10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200

30693721.p MGSFAGACEIVEEEKDD - EVRLPKHSGRYGKSVMGSSSKDLVER - KOREYHGSLYEYDIDMLFQSIISVKPSTTRLMSSFFHHHETSAAGPSRTTSPSKRITASMKP - GTPQSPRFVGLSDSVSLKQALRDCISKASEMAAOKRLS
30693719.p MGSFAGACEIVEEKDD - EVRLPKHSGRYGKSVMGSSSKDLVER - KOREYHGSLYEYDIDMLFQSIISVKPSTTRLMSSFFHHHETSAAGPSRTTSPSKRITASMKP - GTPQSPRFVGLSDSVSLKQALRDCISKASEMAAOKRLS
15227639.p MESFAGCEIVEEEKD - AVRLAKHSSRYCMSPLOSS-KDMEQRPAKLSYQGSMEYDIDQLFQSITIIPKPS-RRVMGSSFHHELETSAAGPSRTTSPSKRITASMKP - GTPAMKKPFPMGTRRSR-VGPDSDSISLQKALRDCISKASENAOKRLS
15242814.p MGSFAGCEIVEEEKEDRQNSIGYSAKSTTIPHRSRSSIVDDKLERPVLKLGVRGSLEDDINQLEFESIIRTSG - MIPSYQVGATSS - SRNNTPHQ RNAKSPANPAGIRSPS - KRNAPATPLKGALRDCISKASETAATKRIPI
30692190.p
15242554.p
30689844.p
15241076.p
15236802.p
15238798.p
15232201.p
15219322.p
15219253.p
15230566.p
15226800.p
15220907.p
15231840.p
15225776.p
18403402.p
15232374.p
15230825.p
15235548.p
30697012.p MER RAPPS-PLNDAEISLERRSLEIFNPSSGK - ETHEGSTS - SSSKPPLDGNNKGSSSKWMEFQDS - AKITERTAEWGLSAVKPDSGD - DGISFKLSSSEVERS - KNMRSSSEESTSSES - GAFFRPRVSQELKTAALSTLQQTFV
30697010.p MER RAPPS-PLNDAEISLERRSLEIFNPSSGK - ETHEGSTS - SSSKPPLDGNNKGSSSKWMEFQDS - AKITERTAEWGLSAVKPDSGD - DGISFKLSSSEVERS - KNMRSSSEESTSSES - GAFFRPRVSQELKTAALSTLQQTFV
30697007.p MER RAPPS-PLNDAEISLERRSLEIFNPSSGK - ETHEGSTS - SSSKPPLDGNNKGSSSKWMEFQDS - AKITERTAEWGLSAVKPDSGD - DGISFKLSSSEVERS - KNMRSSSEESTSSES - GAFFRPRVSQELKTAALSTLQQTFV
15231245.p MEPTEKPSKTSRFLPDTTRGSLEVFN PSTDQTRPQFRPQQEPAPSNPVRSQDQIAVTSWMAKDPSPETISKKTITAEPQKSAVAEEQRAAEQGLVLTQDKTGPKQGVGRVNSSGTENDPNGKTTSQRNQNSCRSSGEMSDGVPGGRSQIPRSVSEDLKDALSTFQQTIV
113r_E

210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400

30693721.p KSAAASPRSEADRIKELYNQVSNESTSSRSGLVFDKGKGSLLVEIPLMPVNDKSSSKVQPRFE - DPNPISEPSQ - AGTFSFQLOQ - VGNQIRETIKLLIRSKNPKGSCLSSSGD - YEIELDENVASPSTHAFFEDDVIEIDKHVTSLPSHSKKVNAATELDKNISSSA-VDSE - QKCKLDD
30693719.p KSAAASPRSEADRIKELYNQVSNESTSSRSGLVFDKGKGSLLVEIPLMPVNDKSSSKVQPRFE - DPNPISEPSQ - AGTFSFQLOQ - VGNQIRETIKLLIRSKNPKGSCLSSSGD - YEIELDENVASPSTHAFFEDDVIEIDKHVTSLPSHSKKVNAATELDKNISSSA-VDSE - QKCKLDD
15227639.p KSAAASPRSEADRIKELYRQVLINESACKPG - LPVDKCKG-SLVEISLTPVVDLISSLSSQSVQPRYDVLTEPEPNFISEPSQ - AEIILHLVNLNGNSGIKTVGYGMLETVSLCKSNSGSCLSSSGD - YEIEIDENHSTP - PHMVILEDQVIEIDKHVTSLPSCSGSKVDTBEELDKSIVSSARVKSE-TALSSCLGKGLDN
15242814.p KSTSTG - GSIVYGSVILVEPGSCAS - EECIAKAVLWELLGE - DQSSSSDTSIQLRLKIHSSSQNSQTSKRYCDEMTILKK - HNLNSLDDQEMSIENKNFGSSSSPGSGNNKTVVGLKSVRKYLRIYANTPSSITVNGRKVAKLRTIPIRGGGAKPALRNKGSNSKKATNVYDEVDFYDPIAK
30692190.p
15242554.p
30689844.p
15241076.p
15236802.p
15238798.p
15232201.p
15219322.p
15219253.p
15230566.p
15226800.p
15220907.p
15231840.p
15225776.p
18403402.p
15232374.p
15230825.p
15235548.p
30697012.p VSDATQPHCPIVYASSCFMTGYSSKEIVGRNCRFLQGPDTDKNEVAKIRDCKVNGKSYCGRLLNYYKDGTFFWNLLTVTPIKDDQGNTIKFIGMQUEVSKYTEGVNDKALRNGLSKSLIRYDARQEKEKALDSITEVVQTYTRHRSQVQESVNDTMVKPDSSTTP - TPGRQTRQSDDEASKSFRTPG - RVSTPTGSK
30697010.p VSDATQPHCPIVYASSCFMTGYSSKEIVGRNCRFLQGPDTDKNEVAKIRDCKVNGKSYCGRLLNYYKDGTFFWNLLTVTPIKDDQGNTIKFIGMQUEVSKYTEGVNDKALRNGLSKSLIRYDARQEKEKALDSITEVVQTYTRHRSQVQESVNDTMVKPDSSTTP - TPGRQTRQSDDEASKSFRTPG - RVSTPTGSK
30697007.p VSDATQPHCPIVYASSCFMTGYSSKEIVGRNCRFLQGPDTDKNEVAKIRDCKVNGKSYCGRLLNYYKDGTFFWNLLTVTPIKDDQGNTIKFIGMQUEVSKYTEGVNDKALRNGLSKSLIRYDARQEKEKALDSITEVVQTYTRHRSQVQESVNDTMVKPDSSTTP - TPGRQTRQSDDEASKSFRTPG - RVSTPTGSK
15231245.p VSDATKPDYIMYASAGFFNMTCYTSKEVVGRCRFLQGSQTDADELAKIRETLAQNYYCGRLLNYYKDGTFFWNLLTVTPIKDDQGNTIKFIGMQUEVSKYTEGAKEKA
113r_E

410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600

30693721.p APNSGTTENGKTVRKVTRMIP-RPK-QPKKKILLKKLKGKIGVVSATYPT - KDDEEIVPSLDSSANQLLCORCHOSKSTSIDDNPNS - YTSSHNPKICTDSLSSVSN - KEAHQGSDEN - SGSCCNVQSSEAD-
30693719.p APNSGTTENGKTVRKVTRMIP-RPK-QPKKKILLKKLKGKIGVVSATYPT - KDDEEIVPSLDSSANQLLCORCHOSKSTSIDDNPNS - YTSSHNPKICTDSLSSVSN - KEAHQGSDEN - SGSCCNVQSSEAD-
15227639.p FPGSGTTEKSKLVEKVTNRD-RPK-QPKKKILLKKLKGKIGVVSATYPT - KMVEEVDTSLREPSASQQLCOKCHCAKSTSSTEHNPPSNTSHTDKNVSLEADQESLASPRI - RIVKCNKEA-KGSSDCSEVDSGEA-
15242814.p ELLCHRCHFSLKNATAAKEDPSKDSLVEPHEICAKDELA SDFSSSSYESHEISASAETKLDKIRSLDLMNSETSHVS - TCAFNRKNIKD - VSEYGNNEIMEEDDSLSGK - EVDQKDVSFVMSQSVIEGFSFSEK
30692190.p -MEPWIDELTDDLQSVTSQATITVNRST - SSGGRSSSS
15242554.p GSASFK - TSSNGSEDVRNNIS - LFCFS - SNVSEANLEK-
30689844.p EPVVSSVTRMKAKYPLLEIEIIGAADDVTCKGSNDMSSEAGSSSFQGVSHPPEDDMDLITTVVVISEKKNPKDSVCMKMSMTP - KGPFIIEDISLCVPPKKPSRVLSPAESIVEFATSLSFVVARASQNTENSLLPPDSKRECWDASLPPSTNVSPHSSSVESMNLRAMSIANSQSSATTTQRSDVV-
15241076.p -LTN - SSQ - MSIN - TADQVSS - SLQFAD - PSSDGKIG NSKINE
15236802.p L-ENKKEKG-DKETPETSYSSQS - VSN - TLSFA - PSSDGKIG NSKINE
15238798.p QLQRSVTNTFRAVGIRESKRLIESFRKRSRDPAVCKPFFSSLS - TVLEHVDSLTLDEKKTSG - FGSVKTSASAKLSDQ - TSSLGKTSQGSAKLSG-
15232201.p FSTDSEGTKSKMNTLLIPEPEPTS - EVIESSVSSV - ASETEPISIIRKKKQSEFPRYSPNTFYTEAKQSFT - NTIEFSECASISTIGI
15219322.p S - P - K - KMDNLIKEPAGFTN - HHRNPSPKIP - S - P - G - N - M - T - E - S - Q - N - L -
15219253.p ICPKSPRSSLPSLKLGDNVPRNPHFD - S - P - K - KMDPVLKHOPPKSLEPPPSTRTGTSSEGDLKHNITY - S - P - G - D - S - L - A - M - R - K - A - P -
15226800.p -MLRESGEMS - CTTNSP - S - S - T - L - I - L - S - F - N - D - R -
15220907.p FTSTATDRFTSSARSLAR - S - S - T - L - I - L - S - F - N - D - R -
15231840.p ME- DGDYYLDTDLDLS - S - T - L - I - L - S - F - N - D - R -
15225776.p DWYCGALNCGSHNYASRTSCYRCGMKIVETYEQYYGAQMVA YGNDGAACPPGWKTGDWVCPRVCGVHNYASRAECFKCTTRDYGAWRNLGRERANEESLVLIIFFNPKCFY - FL - C - M - T - L - S - Y - D - V - D - L - K - S - I - E -
18403402.p
15232374.p
15230825.p
15235548.p
30697012.p LKSSNNRHEDELLRMEPE - EMLMSTEVIGQRD - SWDLSDRERDIRQIDLATTLERIEKNFV - S - P - R - L - P - D - N - P - I - I - F - A - S - D - S - F - L - E - T - Y - S - R - E - E - I - L - G - R - N - C - R - F - L - Q - G - P - E - T - D - Q - A - T - V - Q - K - I - R - DAIRDQREITVQLINYTKSGKKFWNLHFQPM
30697010.p LKSSNNRHEDELLRMEPE - EMLMSTEVIGQRD - SWDLSDRERDIRQIDLATTLERIEKNFV - S - P - R - L - P - D - N - P - I - I - F - A - S - D - S - F - L - E - T - Y - S - R - E - E - I - L - G - R - N - C - R - F - L - Q - G - P - E - T - D - Q - A - T - V - Q - K - I - R - DAIRDQREITVQLINYTKSGKKFWNLHFQPM

15230825.p EMLYGA~~T~~PFRGSNRKETFYFILEKPPNLTGET~~TSIRDLLRRIKEDPSRRIN~~~~VPEIKQHDFFRGVDYEKVILVSRPPYTPAPDDGGDKG-TDVNTKMDVENIVQEIFAARQEREKQSGDNNKNANMKIKDNTSGEWVKGLNNNHDL~~~~ESDNNFLVF~~
15235548.p EMLYGA~~T~~PFRGSNRKETFLFILEKPPSLVGET~~TSIRDLLRRIKEDPSRRIN~~~~VECIKQHDFFKQLDIDLVLKVSRPPYTPAPEN~~~~YEISKIDVEKFVHEIFTK~~~~CEHGNFLVF~~
30697012.p EMLYGR~~E~~PFRCKNRQKTFANILEKDL~~TFPSSIP~~~~VSLVCRQLINALLNDPSSRLC-SKGCANELIKOHAFFRINWELIRGMSPPLDAP~~~~LSIIEKDENAKDIKW~~~~EDDGVLVNSTLDTDF~~
30697010.p EMLYGR~~E~~PFRCKNRQKTFANILEKDL~~TFPSSIP~~~~VSLVCRQLINALLNDPSSRLC-SKGCANELIKOHAFFRINWELIRGMSPPLDAP~~~~LSIIEKDENAKDIKW~~~~EDDGVLVNSTLDTDF~~
30697007.p EMLYGR~~E~~PFRCKNRQKTFANILEKDL~~TFPSSIP~~~~VSLVCRQLINALLNDPSSRLC-SKGCANELIKOHAFFRINWELIRGMSPPLDAP~~~~LSIIEKDENAKDIKW~~~~EDDGVLVNSTLDTDF~~
15231245.p EMLYGY~~E~~PFRCKTRQKTFINVLKDL~~KFPASTIP~~~~ASLOVKOLIFRLLRDCKRLC-CFECANEVKOHSFFKINWALIRCTNPELET~~~~IFSGEAENGEEKVVDP~~~~ELE~~~~DPIQNVF~~
113r_E EMA~~A~~GYPF~~FADQPTI~~TYE~~H~~IV~~SGKVRP~~SHFS~~SDLK~~~~DLLRNLLQVPLTKRPENIKNAVNIDKHNKFAITD~~~~TAIYQRKVEAPPFIP~~~~KFKGPGDTSNFDDYE~~~~EEEIRVXINEKGKEFTEF~~